

Certificate of Analysis

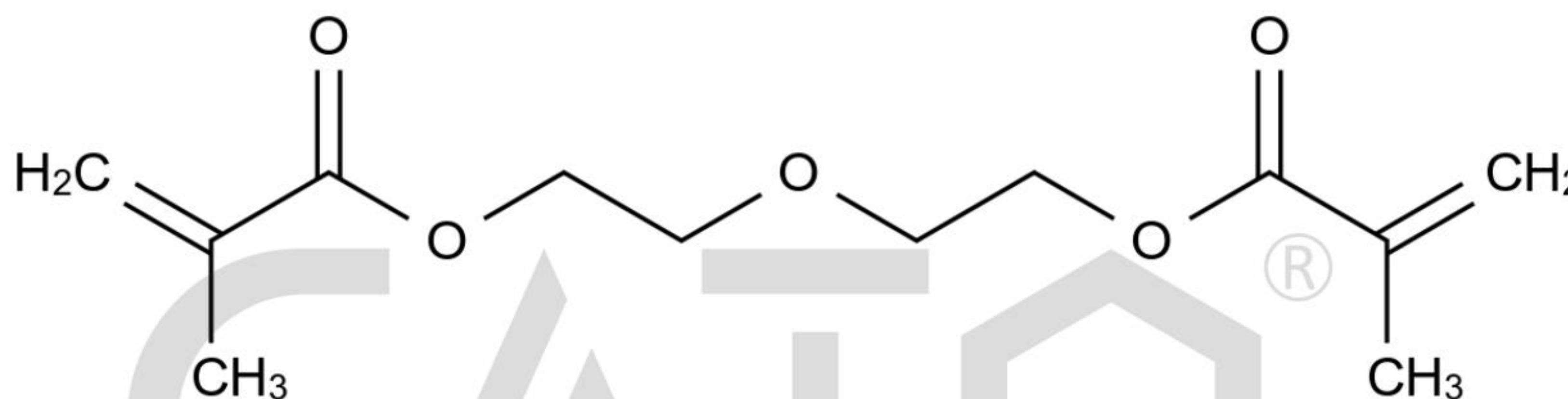
Reference Material & Standard

Product Name:	Diethylene Glycol Dimethacrylate	Catalogue Number:	CS291529
Synonyms:	N/A	Lot Number:	1227-RD-0018
CAS Number:	2358-84-1	Expiry Date:	Feb 25, 2030
Molecular Formula:	C ₁₂ H ₁₈ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	242.27	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.692%
Water Content	Karl Fischer	0.1104%
Assay		99.6%
Uncertainty		±0.2%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$

Water Content is considered as absolute effect, GC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

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Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Feb 26, 2026

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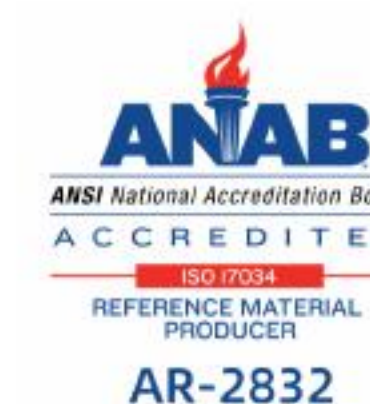
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Page 1 of 6



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